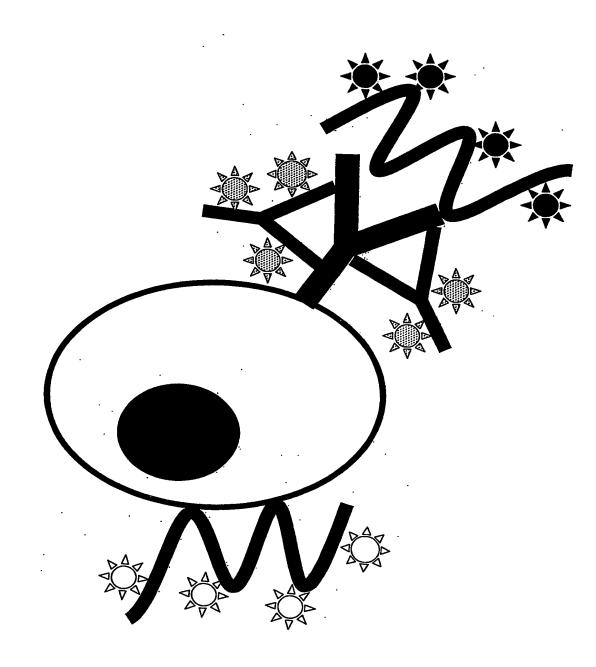
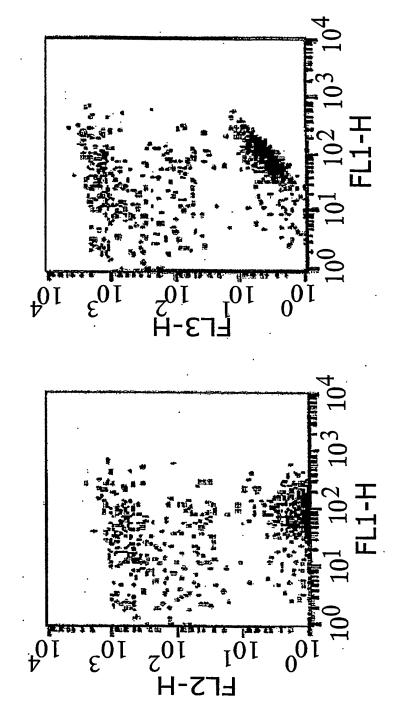
Figure 1







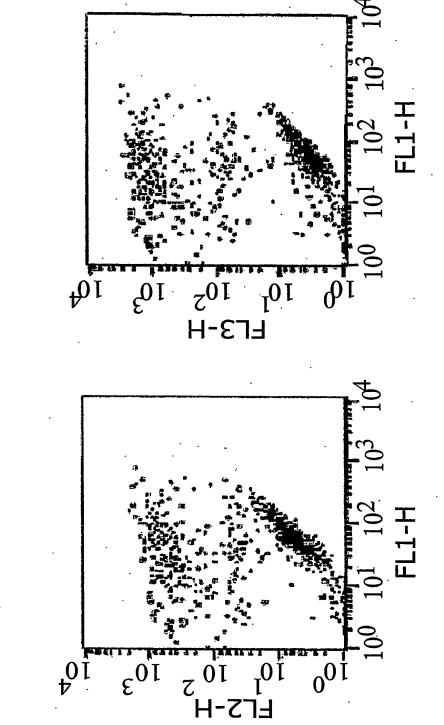
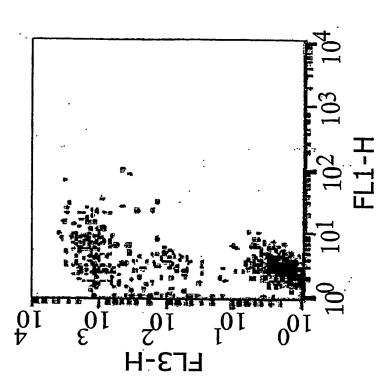


Figure 2B

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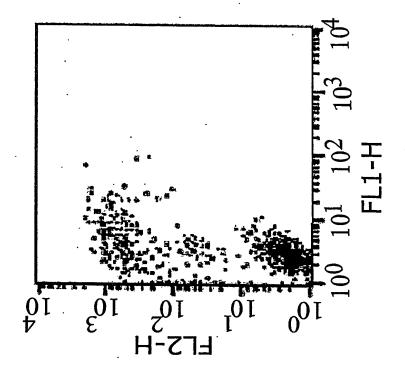
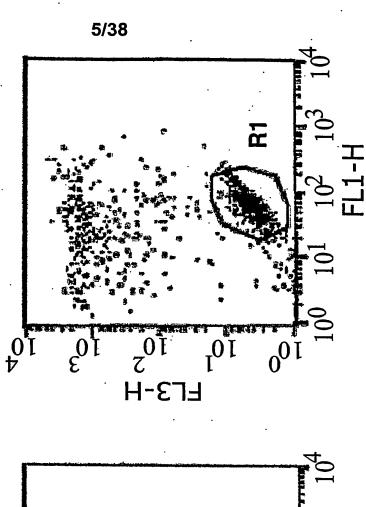
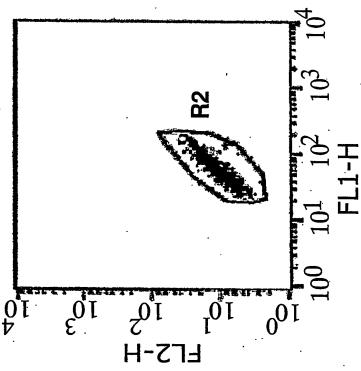


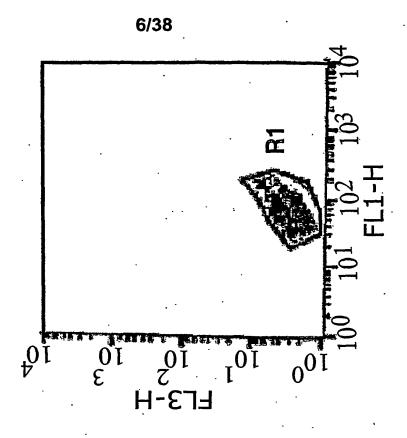
Figure 2C

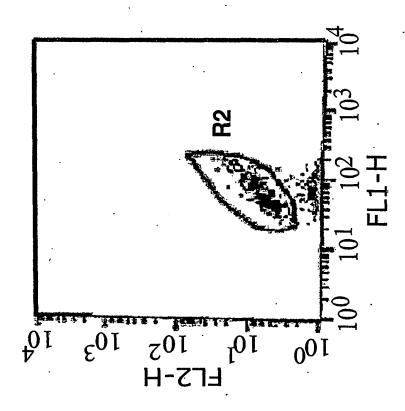


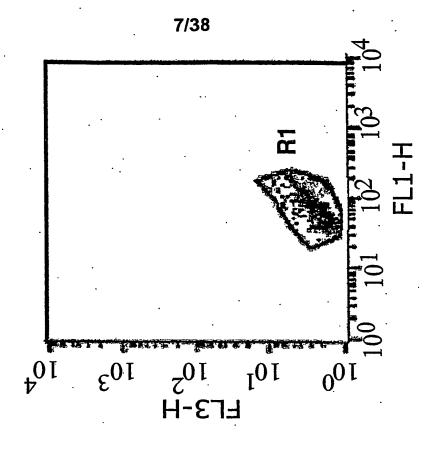












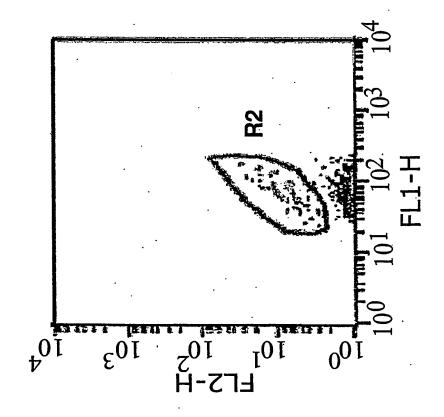
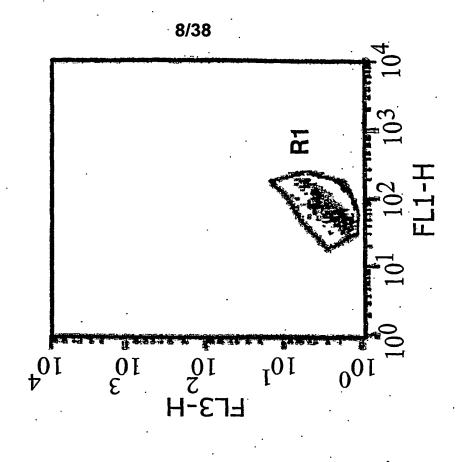


Figure 2F



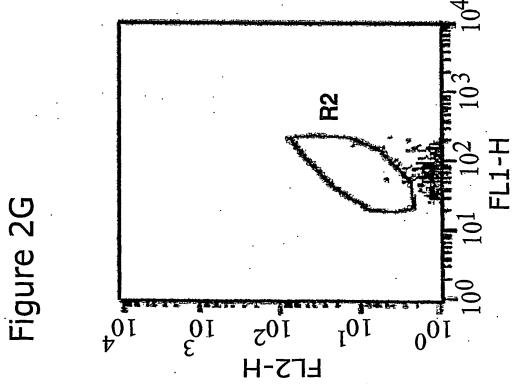


Figure 3A

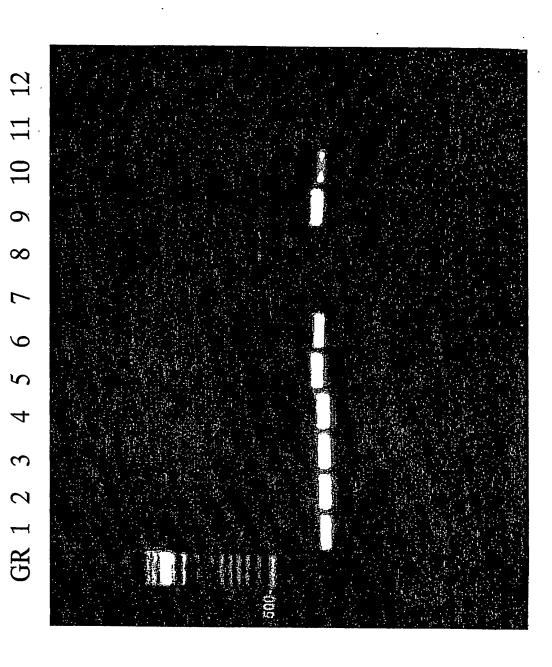
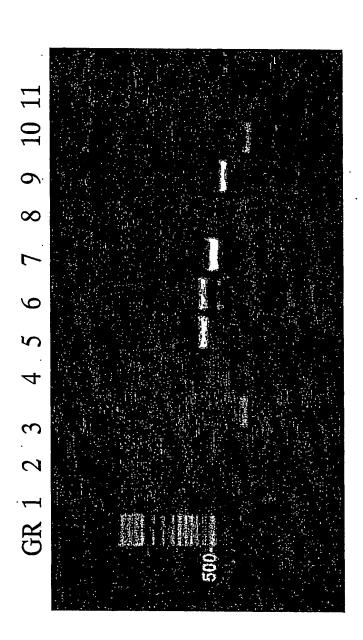


Figure 3B

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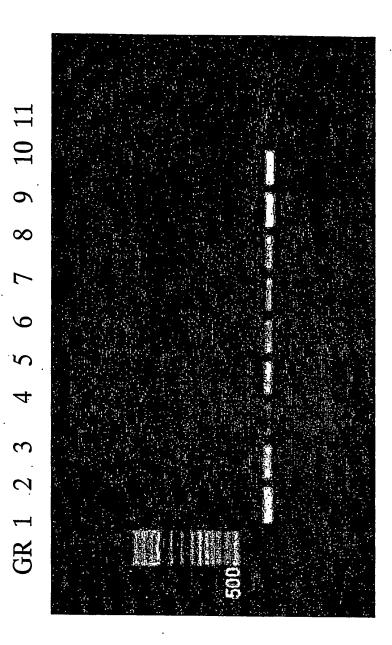
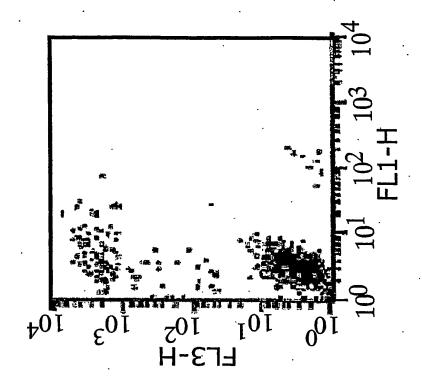


Figure 3C



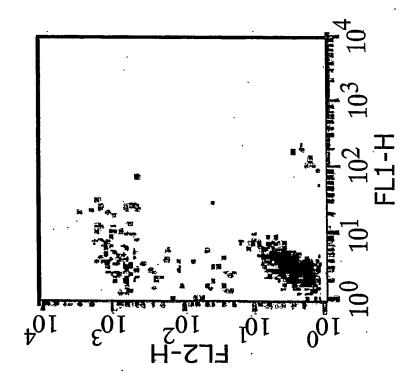


Figure 4A

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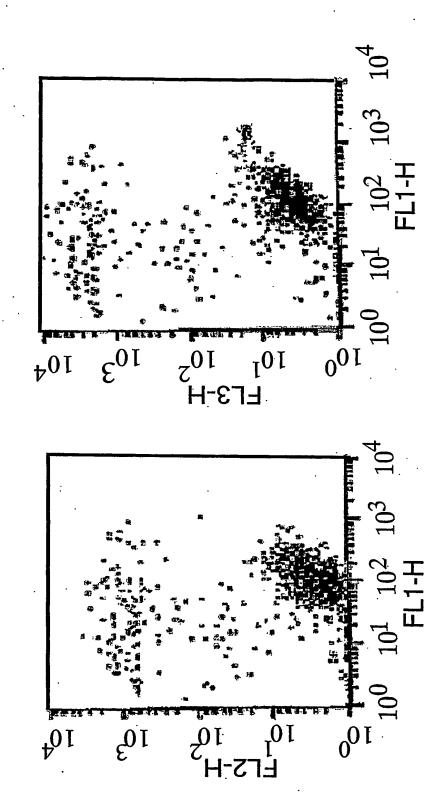
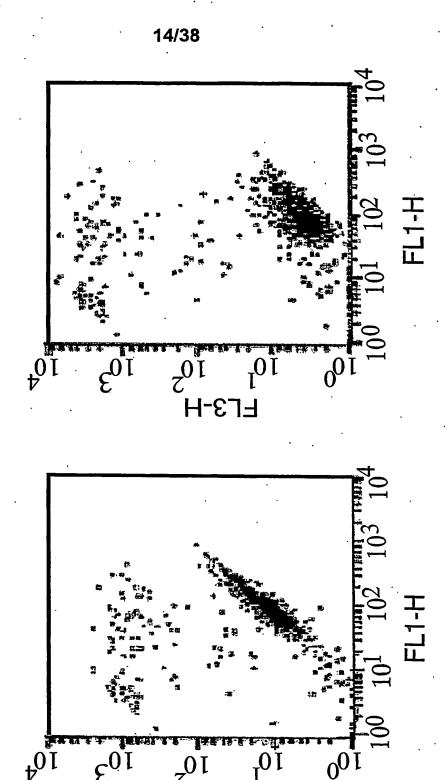


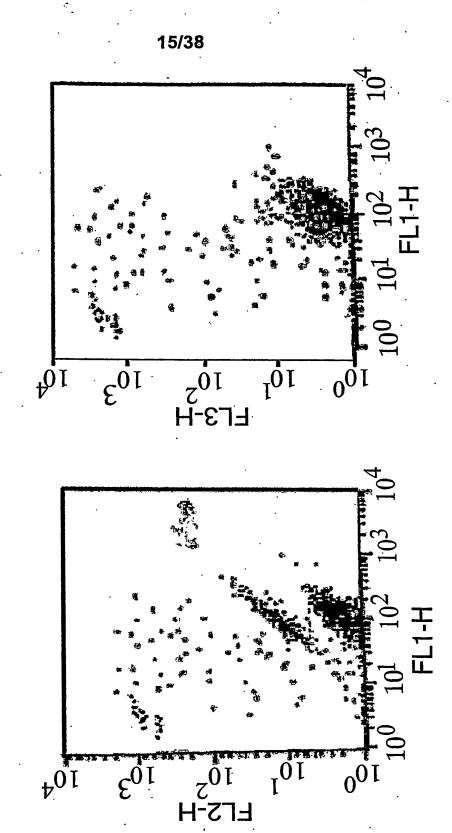
Figure 4B

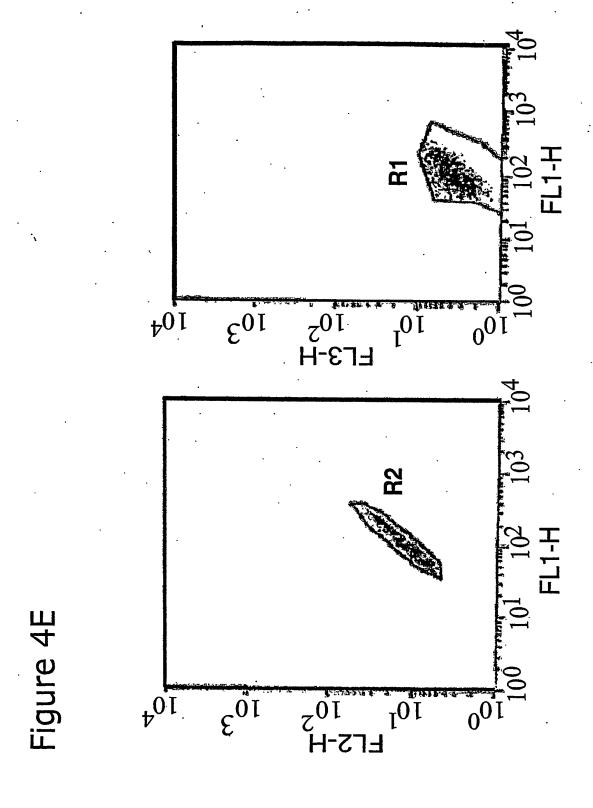




FL2-H







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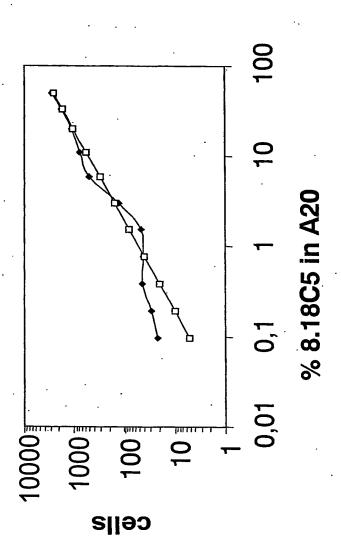
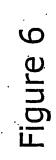
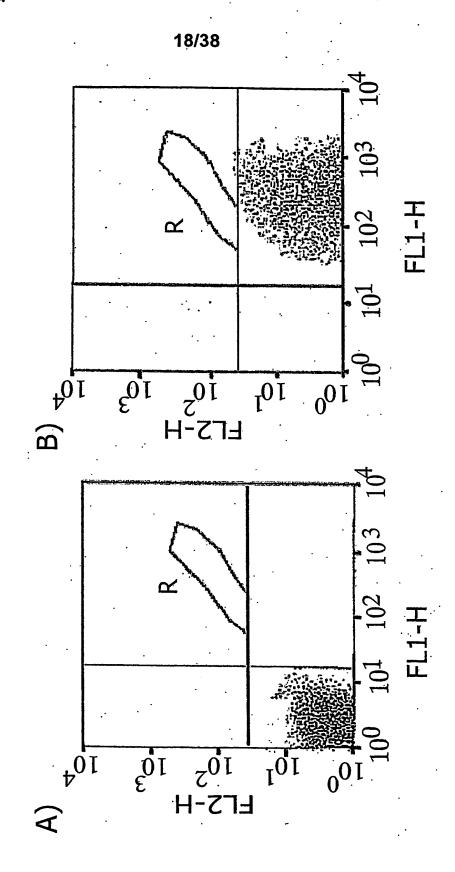
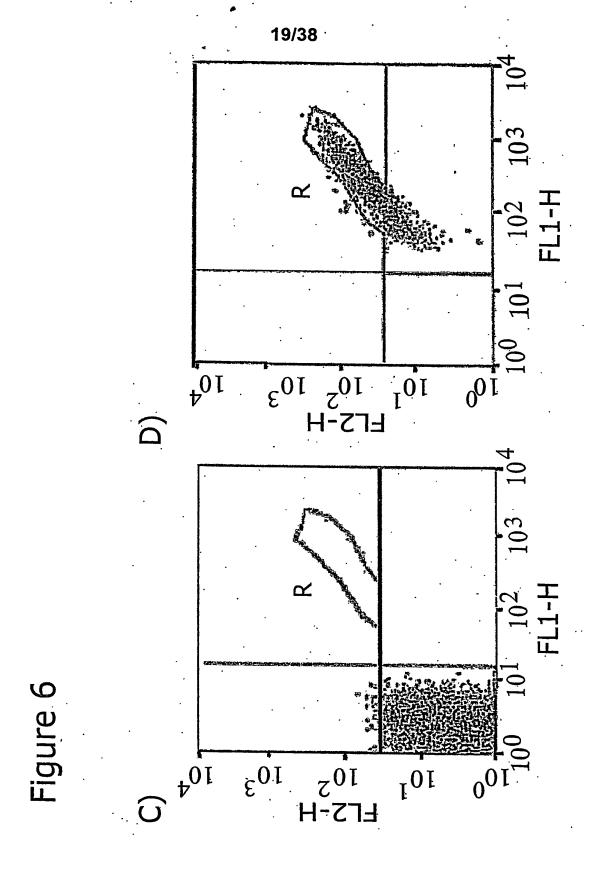


Figure 5







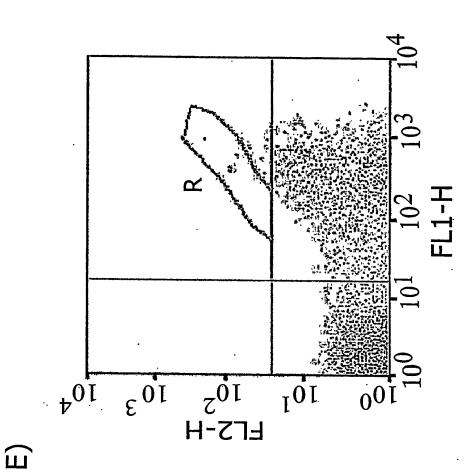
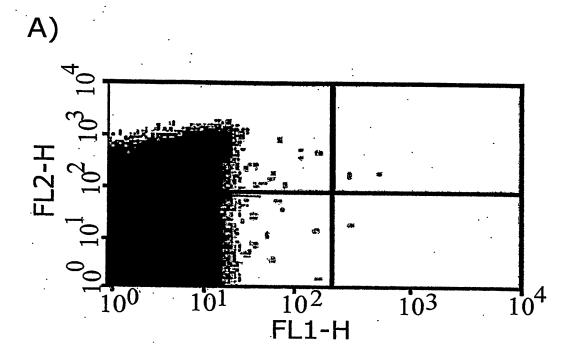


Figure 6

Figure 7



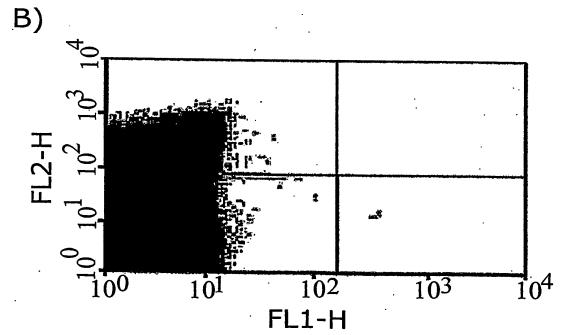
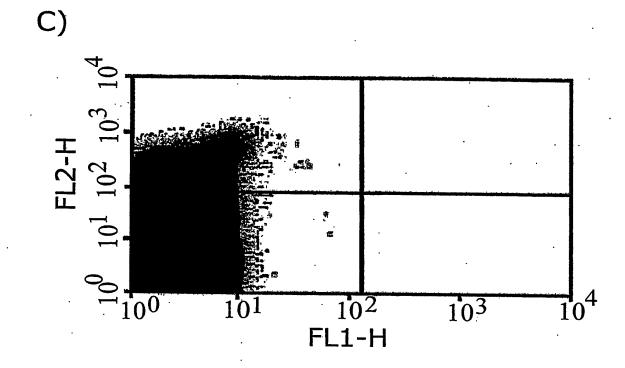


Figure 7



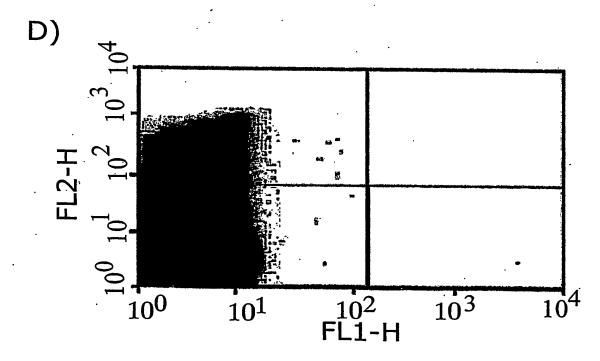
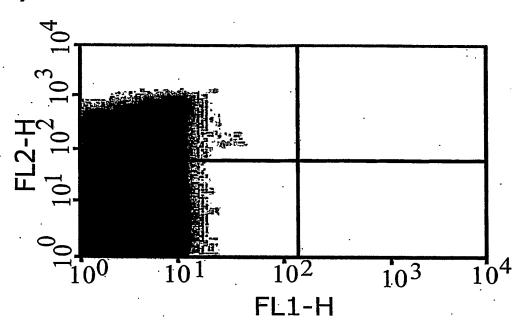


Figure 7





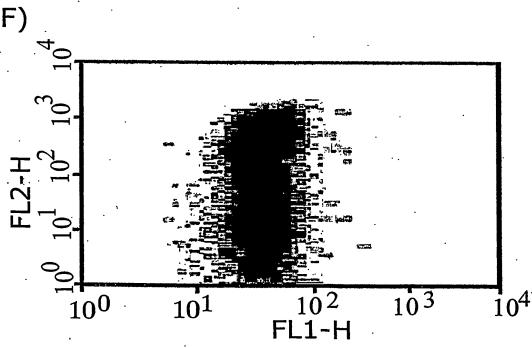
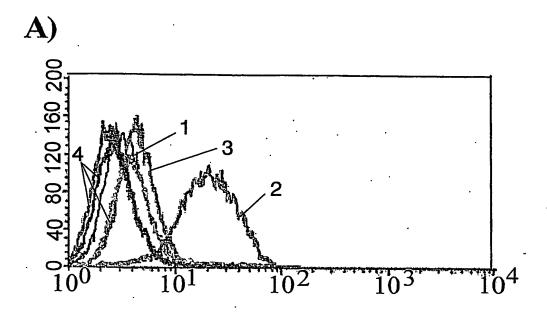
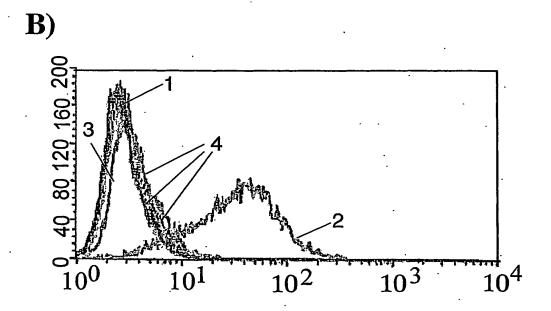
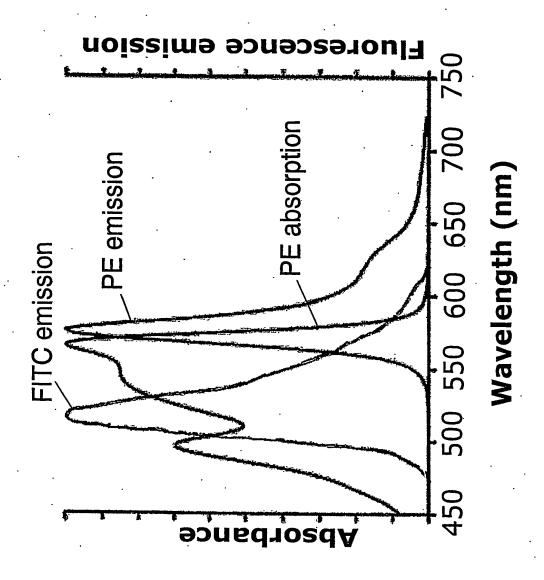


Figure 8







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Figure 10

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DNA sequences of VH and VL derived from cell S2

A) VH (SEQ ID NO.: 58)

GAGGTGCAGCTGGTGGAGTCTGGGGGGAGGCTTGGTACAGCCTGG
GGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGATTCACCTTTA
GCAGCTATGCCATGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGG
CTGGAGTGGGTCTCAGCTATTAGTGGTAGTGGTGGTAGCACATA
CTACGCAGACTCCGTGAAGGGCCGGTTCACCATCTCCAGAGACA
ATTCCAAGAACACGCTGTATCTGCAAATGAACAGCCTGAGAGCC
GAGGACACGGCCGTATATTACTGTGCGAAAGGAAGTGGGAGCTA
CTATTACTACTACTACTACATGGACGTCTGGGGCAAAGGGA
CCACGGTCACCGTCTCCTCA

B) VL (SEQ ID NO.: 59)

GACATCCAGGTGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCT
GGGCGAGAGGGCCACCATCAACTGCAAGTCCAGCCAGAGTGTTT
TATACAGCTCCAACAATAAGAACTACTTAGCTTGGTACCAGCAG
AAACCAGGACAGCCTCCTAAGCTGCTCATTTACTGGGCATCTAC
CCGGGAATCCGGGGTCCCTGACCGATTCAGTGGCAGCGGGTCTG
GGACAGATTTCACTCTCACCATCAGCAGCCTGCAGGCTGAAGAT
GTGGCAGTTTATTACTGTCAGCAGTATTATAGTACCCCACTCAC
TTTCGGCGGAGGGACCAAGGTGGAGATCAAA

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Figure 11

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DNA sequences of VH and VL derived from cell S9

A) VH (SEQ ID NO.: 60)

B) VL (SEQ ID NO.: 61)

TCTTCTGAGCTGACTCAGGACCCTGCTGTGTCTGTGGCCTTGGG ACAGACAGTCAGGATCACATGCCAAGGAGACAGCCTCAGAAGCT ATTATGCAAGCTGGTACCAGCAGAAGCCAGGACAGGCCCCTGTA CTTGTCATCTATGGTAAAAAACAACCGGCCCTCAGGGATCCCAGA CCGATTCTCTGGCTCCAGCTCAGGAAACACAGCTTCCTTGACCA TCACTGGGGCTCAGGCGAAGATGAGGCTGACTATTACTGTAAC TCCCGGGACAGCAGTGGTAACCTTTTGGTGTTCGGCGGAGGGAC CAAGCTGACCGTCCTA

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Protein and DNA sequences of scFv derived from cell S2

A) Protein (SEQ ID NO.: 62)

DIVMTQSPDSLAVSLGERATINCKSSQSVLYSSNNKNYLAWYQQ KPGQPPKLLIYWASTRESGVPDRFSGSGSGTDFTLTISSLQAED VAVYYCQQYYSTPLTFGGGTKVEIKGGGGSGGGGGGGGGSEVQL LESGGGLVQPGGSLRLSCAASGFTFSSYAMSWVRQAPGKGLEWV SAISGSGGSTYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTA VYYCAKGSGSYYYYYYYMDVWGKGTTVTVSS

B) DNA (SEQ ID NO.: 63)

GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTCTCT GGGCGAGAGGCCACCATCAACTGCAAGTCCAGCCAGAGTGTTT TATACAGCTCCAACAATAAGAACTACTTAGCTTGGTACCAGCAG AAACCAGGACAGCCTCCTAAGCTGCTCATTTACTGGGCATCTAC CCGGGAATCCGGGGTCCCTGACCGATTCAGTGGCAGCGGGTCTG GGACAGATTTCACTCTCACCATCAGCAGCCTGCAGGCTGAAGAT GTGGCAGTTTATTACTGTCAGCAGTATTATAGTACCCCACTCAC TTTCGGCGGAGGACCAAGGTGGAGATCAAAGGTGGTGGTT CTGGCGGCGCGCTCCGGTGGTGGTGCTCTGAGGTGCAGCTG CTGGAGTCTGGGGGGGCTTCGTACAGCCTGGGGGGGTCCCTGAG ACTCTCCTGTGCAGCCTCTGGATTCACCTTTAGCAGCTATGCCA TGAGCTGGGTCCGCCAGGCTCCAGGGAAGGGGCTGGAGTGGGTC TCAGCTATTAGTGGTAGTGGTAGCACATACTACGCAGACTC CGTGAAGGCCGGTTCACCATCTCCAGAGACAATTCCAAGAACA CGCTGTATCTGCAAATGAACAGCCTGAGAGCCCGAGGACACGGCC GTATATTACTGCGAAAGGAAGTGGGAGCTACTATTACTACTA CTACTACATGGACGTCTGGGGCAAAGGGACCACGGTCACCG TCTCCTCA

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Protein and DNA sequences of scFv derived from cell S9

A) Protein (SEQ ID NO.: 76)

SSELTQDPAVSVALGQTVRITCQGDSLRSYYASWYQQKPGQAPV LVIYGKNNRPSGIPDRFSGSSSGNTASLTITGAQAEDEADYYCN SRDSSGNLLVFGGGTKLTVLGGGGSGGGGGGGGGGGQVQLQESGP GLVKPSETLSLTCTVSGGSISSYYWSWIRQPPGKGLEWIGYIYY SGSTNYNPSLKSRVTISVDTSKNQFSLKLSSVTAADTAVYYCAR EGGPLIMGAFDIWGQGTMVTVSS

B) DNA (SEQ ID NO.: 77)

TCTTCTGAGCTGACTCAGGACCCTGCTGTGTCTGTGGCCTTGGG ACAGACAGTCAGGATCACATGCCAAGGAGAGAGCAGCCTCAGAAGCT ATTATGCAAGCTGGTACCAGCAGAAGCCAGGACAGGCCCCTGTA CTTGTCATCTATGGTAAAAACAACCGGCCCTCAGGGATCCCAGA CCGATTCTCTGGCTCCAGCTCAGGAAACACAGCTTCCTTGACCA TCACTGGGGCTCAGGCGGAAGATGAGGCTGACTATTACTGTAAC TCCCGGGACAGCAGTGGTAACCTTTTGGTGTTCGGCGGAGGGAC CAAGCTGACCGTCCTAGGTGGTGGTTCTGGCGGCGGCGCT CCGGTGGTGGTGCTCAGGTGCAGCTGCAGGAGTCTGGCCCA GGACTGGTGAAGCCTTCGGAGACCCTGTCCCTCACCTGCACTGT CTCTGGTGGCTCCATCAGTAGTTACTACTGGAGCTGGATCCGGC AGCCCCCAGGGAAGGGACTGGAGTGGATTGGGTATATCTATTAC AGTGGGAGCACCAACTACAACCCCTCCCTCAAGAGTCGAGTCAC CATATCAGTAGACACGTCCAAGAACCAGTTCTCCCTGAAGCTGA GCTCTGTGACCGCTGCGGACACGCCGTGTATTACTGTGCGAGA GAGGGTGGACCTCTCATCATGGGTGCTTTTGATATCTGGGGCCA AGGGACAATGGTCACCGTCTCTTCA

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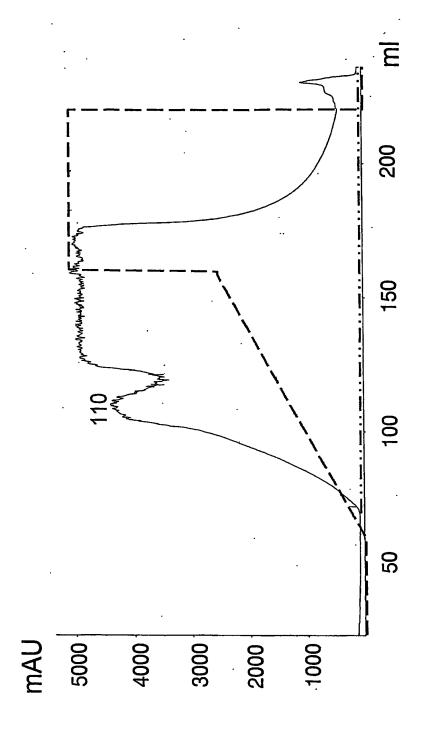
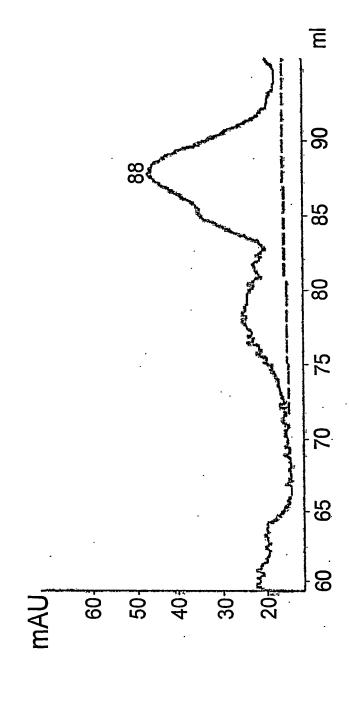
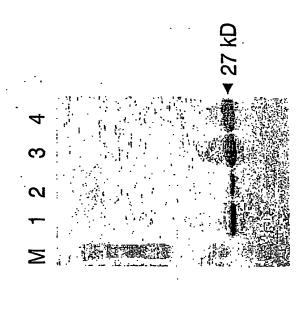


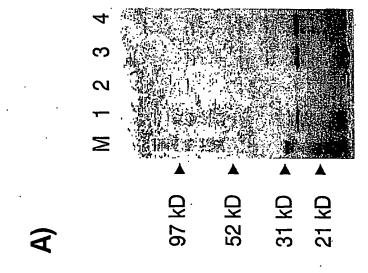
Figure 15

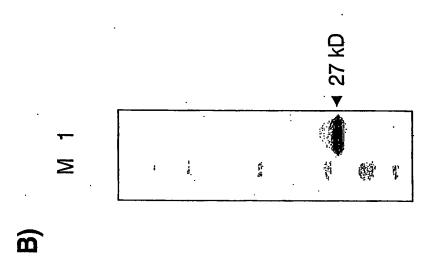


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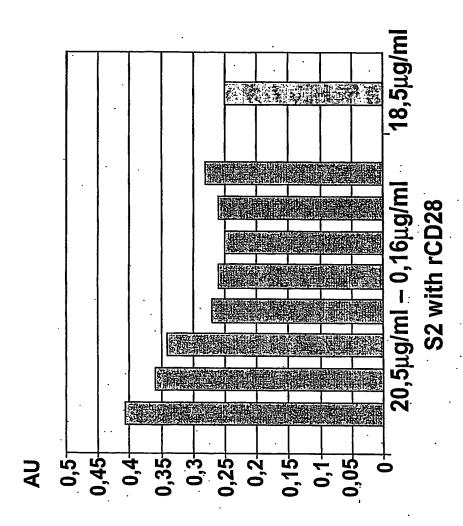
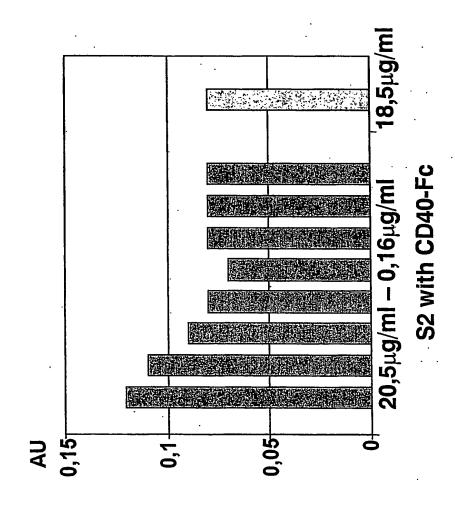


Figure 18 A

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-igure 18 B

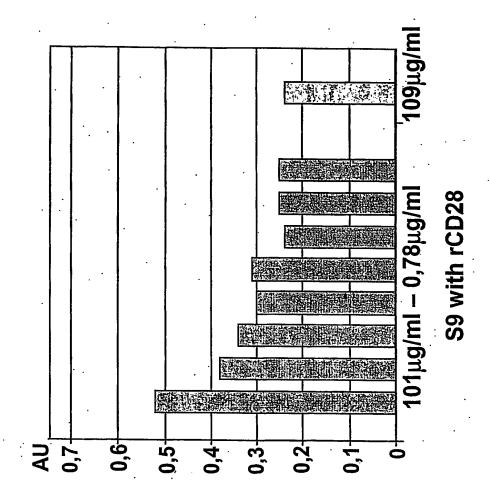


Figure 18 C

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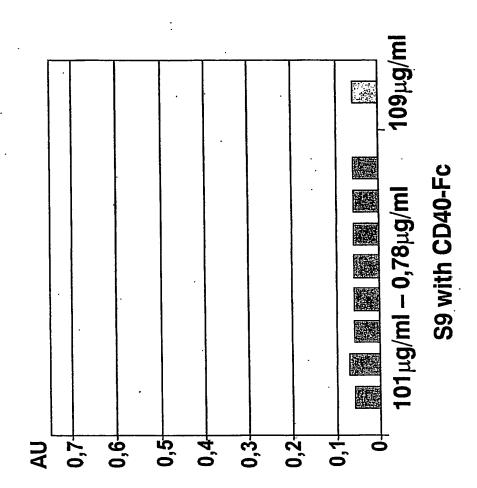


Figure 18 D

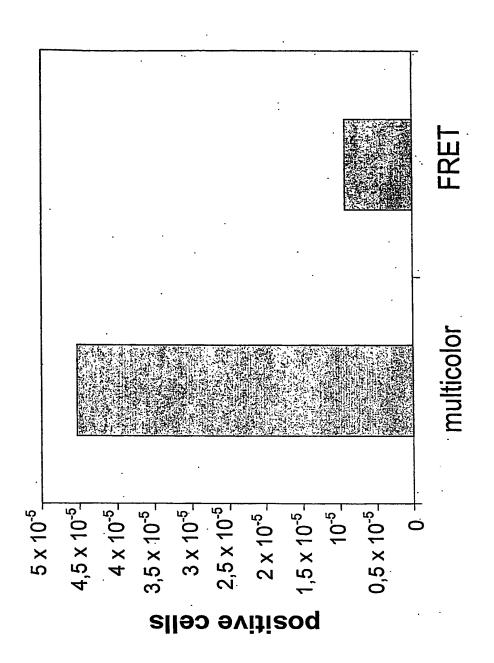


Figure 19

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